

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A method comprising:

receiving an electronic mail message at ~~the~~ a mobile station,

~~determining to indicate~~ indicating, at the mobile station, the electronic mail message by a

level as to a preference of the electronic mail message for a user of the mobile station,

~~determining to~~ transferring data information indicating the preference to a computing system

operating a mail agent, and

receiving a list indicating the order of preference for a plurality of electronic mail messages

for the user based, at least in part, on the data information.

~~processing data information indicating the preference for resulting in an order of preference~~

~~for electronic mail messages for the user.~~

2. (Original) A method according to claim 1, wherein the step of processing is based on an appliance of at least one algorithm based on a statistical analysis of linguistic contents of the electronic mail message.

3. (Original) A method according to claim 2, wherein the step of processing further comprises applying a user profile containing information about the preference of the user for certain electronic mail messages.

4. (Original) A method according to claim 2, wherein the linguistic contents comprises terms.

5. (Original) A method according to claim 4, wherein the terms comprises predetermined character strings.

6. (Original) A method according to claim 2, wherein the step of processing further comprises a selection of a relevant word.

7. (Previously Presented) A method according to claim 6, wherein the selection of the relevant word comprises dividing the electronic mail messages into two groups: interesting, and not having a particular relevancy.

8. (Original) A method according to claim 2, wherein the step of processing further comprises an appliance of a priority model, wherein the priority model contains beforehand established pattern for the user about the preference of the user for certain electronic mail messages.

9. (Original) A method according to claim 2, wherein the step of processing further comprises an appliance of a message priority.

10. (Original) A method according to claim 1, wherein the preference for electronic mail message comprises at least one of electronic mail message having a relevance for the user, and electronic mail message not having a particular relevance for the user.

11. (Previously Presented) A method according to claim 1, wherein the step of indicating comprises entering an option depicting the preference by the mobile station for the electronic mail message.

12. (Original) A method according to claim 1, wherein the order of preference for electronic mail messages comprises a list, wherein the most preferred electronic mail messages are among the firsts in the list, and as the list proceeds, the less relevancy the electronic mail messages for the user establish.

13. (Original) A method according to claim 1, wherein at least a part of the electronic mail message is contained in a message viable in a mobile environment.

14. (Original) A method according to claim 13, wherein the message comprises at least one of a data packet for a transfer in a packet based mobile environment, a SMS for transfer in a GSM environment, USSD for transfer in a GSM environment, R-data for transfer in a TDMA environment.

15. (Original) A method according to claim 2, wherein the algorithm is based on an equation,

$$f \leftarrow \Pi(f), \text{ wherein } \Pi = \Gamma * (f + \gamma \Pi), \text{ wherein}$$

Π represents a vector of frequencies for terms that are the most frequent,

$(f + \gamma \Pi)$ represents an expression that the words are slowly forgotten if they are not used in the latest messages,

γ represents at least one of an adjustable parameter that affects adaptation properties, and a forgetting factor,

Γ_{η} represents a function that cuts off all entries that are not among the η most common words, and

η represents an experimentally selected value to define a size of the user's preference model.

16. (Currently Amended) A method comprising:

receiving an electronic mail message at a computing system operating a mail agent,

determining to processing the electronic mail message for resulting in an order of preference for electronic mail messages for a user of ~~the~~ a mobile station, and

determining to transferring a list indicating the order of preference for the electronic mail messages for the user to the mobile station.

17. (Previously Presented) A system for obtaining an electronic mail service for a mobile station, the system comprising:

a mobile station for receiving an electronic mail message and for indicating the electronic mail message by a level as to a preference of the electronic mail message for a user of the mobile station,

a network for transferring data information indicating the preference to a computing system operating a mail agent, and

the computing system operating the mail agent for processing the data information indicating the preference for resulting in an order of preference for electronic mail messages for the user.

18. (Original) A system according to claim 17, wherein the mail agent processing is based on an appliance of at least one algorithm based on a statistical analysis of linguistic contents of the electronic mail message.

19. (Original) A system according to claim 18, wherein the mail agent processing further comprises an appliance of a user profile containing information about the preference of the user for certain electronic mail messages.

20. (Original) A system according to claim 18, wherein the linguistic contents comprises terms.

21. (Original) A system according to claim 20, wherein the terms comprises predetermined character strings.

22. (Original) A system according to claim 18, wherein the mail agent processing further comprises a selection of a relevant word.

23. (Previously Presented) A system according to claim 22, wherein the selection of the relevant word comprises dividing the electronic mail messages into two groups: interesting and not having a particular relevancy.

24. (Original) A system according to claim 18, wherein the mail agent processing further comprises an appliance of a priority model, wherein the priority model contains beforehand established pattern for the user about the preference of the user for certain electronic mail messages.

25. (Original) A system according to claim 18, wherein the mail agent processing further comprises an appliance of a message priority.

26. (Original) A system according to claim 17, wherein the preference for electronic mail message comprises at least one of electronic mail message having a relevance for the user, and electronic mail message not having a particular relevance for the user.

27. (Original) A system according to claim 17, wherein the order of preference for electronic mail messages comprises a list, wherein the most preferred electronic mail messages are among the firsts in the list, and as the list proceeds, the less relevancy the electronic mail messages for the user establish.

28. (Original) A system according to claim 17, wherein at least a part of the electronic mail message is contained in a message viable in a mobile environment.

29. (Original) A system according to claim 28, wherein the message comprises at least one of a data packet for a transfer in a packet based mobile environment, a SMS for transfer in a GSM environment, USSD for transfer in a GSM environment, R-data for transfer in a TDMA environment.

30. (Original) A system according to claim 17, wherein the network comprises a mobile network and a fixed network.

31. (Previously Presented) A system for providing an electronic mail service for a mobile station, the system comprising:

- a computing system operating a mail agent for receiving an electronic mail message, and for processing the electronic mail message for resulting in an order of preference for electronic mail messages for a user of the mobile station, and
- a network for transferring a list indicating the order of preference for the electronic mail messages for the user to the mobile station.

32. (Currently Amended) An apparatus comprising:
at least one processor; and

at least one memory including computer program code for one or more programs, the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus to perform at least the following:

~~A mobile station for providing a user an electronic mail service, the mobile station comprising:~~

~~an output for presenting~~ determine to present an electronic mail message at the a mobile station,

~~means for indicating~~ indicate the electronic mail message by a level as to a preference of the electronic mail message for a user of the mobile station, and

~~means for transferring~~ determine to transfer data information indicating the preference to a computing system operating a mail agent, wherein the mail agent is for processing data

information indicating the preference for resulting in an order of preference for electronic mail messages for the user, and
receive a list indicating the order of preference.

33. (Currently Amended) A non-transitory computer-readable storage medium carrying one or more sequences of one or more instructions which, when executed by one or more processors, cause an apparatus to at least perform the following steps:

~~causing, at least in part, the system to receive~~ receiving an electronic mail message at the mobile station,

~~causing, at least in part, the system to receive~~ receiving, from the mobile station, an indication for the electronic mail message by a level as to a preference of the electronic mail message for a user of the mobile station,

~~determining causing, at least in part, the system to transfer data information indicating the preference to a computing system operating a mail agent, and~~

~~determining causing, at least in part, the system to process the data information indicating the preference for resulting in an order of preference for electronic mail messages for the user, and~~

~~determining to transfer a list indicating the order of preference to the mobile station.~~

34. (Currently Amended) A non-transitory computer-readable storage medium carrying one or more sequences of one or more instructions which, when executed by one or more processors, cause an apparatus to at least perform the following steps:

~~causing, at least in part, the system to receive~~ receiving an electronic mail message at a computing system operating a mail agent,

~~determining causing, at least in part, the system~~ to process the electronic mail message for resulting in an order of preference for electronic mail messages for a user of the mobile station, and
~~determining causing, at least in part, the system~~ to transfer a list indicating the order of preference for the electronic mail messages for the user to the mobile station.